

1716

Hong Kong's Docket No. 30-5010 (4962)  
Applicant's Docket No. 100664.0001US1

PATENT

#13/B  
4/20/02  
1716

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: **Nancy Iwamoto**

Application No.: **09/543,628**

Group No.: **1712**

Filed: **April 5, 2000**

Examiner: **Michael Freely**

For: **Novel Polymer/Substrate and Polymer/Polymer Interfaces and Methods of Modeling and Forming Same**

**Box Non-Fee Amendment**  
**Assistant Commissioner for Patents**  
**Washington, D.C. 20231**

COPY OF PAPERS  
ORIGINALLY FILED

**RECEIVED**  
**APR 24 2002**  
**TC 1700**

**AMENDMENT TRANSMITTAL**

1. This letter is in response to the Notice of Non-Compliant Amendment (37 CFR 1.121) mailed on March 20, 2002 as paper no. 12.
2. Transmitted herewith is an amended Response to Office Action for this application with clean version of the replacement claims.

**EXTENSION OF TERM**

3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. 1.136 apply. Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.
4. No additional fee for claims is required.

**CERTIFICATE OF EXPRESS MAILING (37 C.F.R. section 1.8(a))**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as Express Mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, bearing label no. EL722859736US.

Date: April 15, 2002

  
Kristin J. Azcona

(Amendment Transmittal--page 1 of 2)

**FEE DEFICIENCY**

5. If any additional extension and/or fee is required, charge Account No. 500341.  
If any additional fee for claims is required, charge Account No. 500341.

Date: April 15, 2002

A handwritten signature in cursive script that reads "Sandra Thompson". The signature is written in black ink and is positioned above a horizontal line.

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Inventor: Iwamoto  
Serial No.: 09/543,628  
Art Unit: 1712

Patent  
Attny Dkt. No. 100664.0001US1  
Honeywell Docket No. 30-5010 (4962)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231

Inventor: **Iwamoto, Nancy**  
Serial No: **09/543,628**  
Filed: **April 5, 2000**  
For: **Novel Polymer/Substrate  
and Polymer/Polymer  
Interfaces and Methods of  
Modeling and Forming Same**

Examiner: Michael Feely

Art Unit: 1712

COPY OF PAPERS  
ORIGINALLY FILED

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APR 24 2002  
TC 1700

RESPONSE TO OFFICE ACTION

The Honorable Commissioner  
of Patents and Trademarks  
Washington, D.C. 20231

Dear Sir:

This paper responds to the Notice of Non-Compliant Amendment dated March 20, 2002.  
Please enter the following **Clean Copy** of Amended Claims attached hereto:

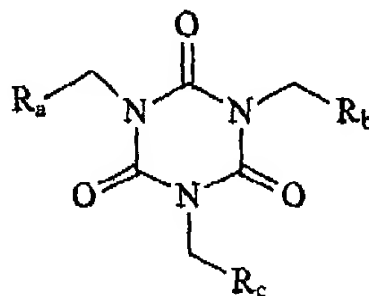
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Inventor: Iwamoto  
Serial No.: 09/543,628  
Art Unit: 1712

Patent  
Attty Dkt. No. 100664.0001US1  
Honeywell Docket No. 30-5010 (4962)

CLEAN COPY OF THE CURRENT CLAIMS

34. An electronic device comprising a component that consists of a polymer produced from at least one monomer having the formula:



- wherein each of R<sub>a</sub>, R<sub>b</sub>, R<sub>c</sub> are independently selected from the group comprising: a hydroxylated aliphatic side chain; an epoxy glycol; an ethoxy ether; and a glycol ether.
35. The device of claim 34, wherein R<sub>a</sub>, R<sub>b</sub>, R<sub>c</sub> further comprises an adduct of glycol ether and a bisphenol glycol epoxy.
36. The device of claim 34, wherein R<sub>a</sub>, R<sub>b</sub>, R<sub>c</sub> further comprises an adduct of an epoxy glycol and an amine.
37. The device of claim 34, wherein R<sub>a</sub>, R<sub>b</sub>, R<sub>c</sub> further comprises an adduct of a glycol ether and a cycloaliphatic epoxy.
38. The device of claim 34, wherein R<sub>a</sub>, R<sub>b</sub>, R<sub>c</sub> further comprises and an adduct of hydroxyethyl side chain and a cycloaliphatic epoxy.
39. The device of claim 37, wherein the adduct is an oxybis(cyclopentene oxide).
40. The device of claim 36, wherein the amine an oxydianiline .
41. The device of claim 40, wherein the adduct is an hydroxylamine.

Inventor: Iwamoto  
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42. The device of claim 38, wherein the adduct is an oxybiscyclopentene.
43. The device of claim 34, wherein the polymer further comprises a bisphenol A glycidyl epoxy.
44. The device of claim 34, wherein the polymer further comprises a bis 3,4 epoxycyclohexylmethyl adipate.
45. The device of claim 34, wherein the polymer further comprises a trishydroxyethylisocyanurate.
46. The device of claim 34, wherein the electronic device further comprises a substrate.
47. The device of claim 46, wherein the polymer forms an interface with the substrate.
48. The device of claim 34, wherein the electronic device further comprises a second component comprising a second polymer.
49. The device of claim 48, wherein the polymer forms an interface with the second component.
50. The device of claim 47, wherein the interface comprises a common boundary.
51. The device of claim 49, wherein the interface comprises a common boundary.

PLEASE EXAMINE THIS DOCUMENT FOR ANY DISCREPANCIES

Title: Request for Continued Examination (RCE)  
Novel Polymer/Substrate and Polymer/Polymer Interfaces and  
Methods of Modeling and Forming Same  
Inventor: Honeywell - Nancy Iwamoto  
Filing Date: April 5, 2000  
Serial Number: 09/543628  
Matter Type: Patent - US  
Date of Deposit: October 10, 2002  
Matter #: 100664.0001US  
Enclosures: (1) Transmittal (3 pages); (2) Amendment (8 pages); (3)  
Check for \$850.00; and (4) postcard.

DATE MAILED: 10/10/02 SBU: 49162  
PATENT APPLICATION FOR: Novel Polymer/Substrate and  
Polymer/Polymer Interfaces...  
INVENTOR(S): Iwamoto  
SERIAL NO.: 09/543,628

THE FOLLOWING HAS BEEN RECEIVED IN THE U.S. PATENT AND TRADEMARK OFFICE  
ON THE DATE STAMPED HEREON:

☐ Missing Parts of Application Transmittal \$ \_\_\_\_\_  
☐ Combined Declaration/Power of Attorney \$ \_\_\_\_\_  
☐ Power of Attorney  
☐ Assignment and Cover Sheet \$ \_\_\_\_\_  
☐ Information Disclosure Statement ☐ ISR ☐ From PTO 1449 with \_\_\_\_\_ References \$ \_\_\_\_\_  
☐ Request for Corrected Filing Receipt  
☐ Amendment/Response (\_\_\_\_\_ page(s)) \$ \_\_\_\_\_  
☒ Petition for Extension of Time (\_\_\_\_\_ months) \$ 110.  
☐ Amendment After Final Rejection (\_\_\_\_\_ page(s)) \$ \_\_\_\_\_  
☐ Notice of Appeal  
☐ Appeal Brief (\_\_\_\_\_ page(s)) \$ \_\_\_\_\_  
☐ Issue Fee Transmittal \$ \_\_\_\_\_  
☐ Formal Drawing(s); No. of Sheets \_\_\_\_\_  
☐ Total fees charged to Deposit Account No. 01-1125 \$ \_\_\_\_\_  
OTHER: req. for continued examination 740.  
Attorney Docket No. 30-5010 Attorney: S. Votava  
Outside Counsel: P. Esh

